

**Processing fluorescent lamp scrap - for recycling of glass, mercury phosphor, and metals avoiding waste and pollution**

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Patent Family ( 2 patents, 2 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 4030732	A	19911205	DE 4080782	A	19900928	199150	B
DD 301566	A5	19930318	DD 341233	A	19900601	199320	E

Priority Applications (no., kind, date): DD 341233 A 19900601

**Alerting Abstract DE A**

Recycling of fluorescent lamps and broken pieces involves breaking off the pump tube; removing the end socket(s) for sepn. into individual components; tilting the lamp centre tube; drum screening the broken pieces; continuously heating the phosphor to remove mercury; and processing the lamp ends. A process opt. involves individual steps which allow supply and processing of fluorescent lamps of any shape and broken lamp pieces in a crusher (18) and of broken frame pieces in a crusher (14). ADVANTAGE - The process allows recycling of the glass mercury, phosphor, aluminium, and various other metals, avoids mercury and noxious material-contg. waste products and minimises the amount of waste products. @ (6pp Dwg.No.1/1) @

**Title Terms /Index Terms/Additional Words:** PROCESS; FLUORESCENT; LAMP; SCRAP; RECYCLE; GLASS; MERCURY; PHOSPHOR; METAL; AVOID; WASTE; POLLUTION

**Class Codes**

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
H01J-009/00			Main		"Version 7"
B03B-0009/06	A	I		R	20060101
B09B-0003/00	A	I		R	20060101
B09B-0005/00	A	I		R	20060101
C03C-0001/00	A	I		R	20060101
C22B-0043/00	A	I		R	20060101
H01J-0009/52	A	I		R	20060101
B03B-0009/00	C	I		R	20060101
B09B-0003/00	C	I		R	20060101
B09B-0005/00	C	I		R	20060101
C03C-0001/00	C	I		R	20060101
C22B-0043/00	C	I		R	20060101
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